

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1735.0760002/RWE/RASAPPLICATION NO.  
10/510,104 (U.S. Nat'l Phase of  
PCT/US03/10645, filed April 7, 2003)APPLICANT(S)  
Cai *et al.*35 U.S.C. § 371 DATE  
October 5, 2004ART UNIT  
To be assigned**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/J.K./	AA1	6,153,591	11/28/2000	Cai <i>et al.</i>			03/16/1999
/J.K./	AB1	6,355,618 B1	03/12/2002	Cai <i>et al.</i>			04/07/2000
/J.K./	AC1	6,495,522 B1	12/17/2002	Wang <i>et al.</i>			08/28/2000
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/J.K./	AL1	WO 01/27140 A1	04/19/2001	WIPO			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/J.K./	AR	1	Abstract of Allam, M., <i>et al.</i> , "Cholera toxin triggers apoptosis in human lung cancer cell lines," <i>Cancer Res.</i> 57:2615-2618, American Association for Cancer Research (1997)
/J.K./	AS	1	Abstract of Ardelt, B., <i>et al.</i> , "Chlorophyllin protects cells from the cytostatic and cytotoxic effects of quinacrine mustard but not of nitrogen mustard," <i>Int. J. Oncol.</i> 18:849-853; D.A. Spandidos (April 2001)
/J.K./	AT	1	Abstract of Baize, S., <i>et al.</i> , "Apoptosis in fatal Ebola infection. Does the virus toll the bell for immune system?" <i>Apoptosis</i> 5:5-7, Kluwer Academic Publishers (2000)

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/J.K./	AR	2	Abstract of Baize, S., <i>et al.</i> , "Defective humoral responses and extensive intravascular apoptosis are associated with fatal outcome in Ebola virus-infected patients," <i>Nat. Med.</i> 5:423-426, Nature Publishing Company (1999)
/J.K./	AS	2	Abstract of Braun, J.S., <i>et al.</i> , "Apoptosis-inducing factor mediates microglial and neuronal apoptosis caused by pneumococcus," <i>J. Infect. Dis.</i> 184:1300-1309, University of Chicago Press (November 2001)
/J.K./	AT	2	Abstract of Brito, G.A., <i>et al.</i> , "Mechanism of Clostridium difficile toxin A-induced apoptosis in T84 cells," <i>J. Infect. Dis.</i> 186:1438-1447, University of Chicago Press (November 2002)

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/J.K./	AR	3	Abstract of Buratta, S., <i>et al.</i> , "Group B streptococcus (GBS) modifies macrophage phosphatidylserine metabolism during induction of apoptosis," <i>FEBS Lett</i> 520:68-72, Elsevier Science B.V (June 2002)
/J.K./	AS	3	Abstract of Doggweiler, R., <i>et al.</i> , "Botox-induced prostatic involution," <i>Prostate</i> 37:44-50, Wiley-Liss (1998)
/J.K./	AT	3	Abstract of Gan, Y.H., <i>et al.</i> , "Molecular mechanism of apoptosis induced by ricin in HeLa cells," <i>Acta Pharmacol. Sin.</i> 21:243-248, Blackwell Publishing (2000)

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/J.K./	AR	4	Abstract of Geisbert, T.W., <i>et al.</i> , "Apoptosis induced in vitro and in vivo during infection by Ebola and Marburg viruses," <i>Lab. Invest.</i> 80:171-186, Lippincott Williams & Wilkins (2000)
/J.K./	AS	4	Abstract of Grinberg, L.M., <i>et al.</i> , "Quantitative pathology of inhalational anthrax I: quantitative microscopic findings," <i>Mod. Pathol.</i> 14:482-495, Lippincott Williams & Wilkins (May 2001)
/J.K./	AT	4	Abstract of Hasegawa, N., <i>et al.</i> , "Isolated ricin B-chain-mediated apoptosis in U937 cells," <i>Biosci. Biotechnol. Biochem.</i> 64:1422-1429, Japan Society for Bioscience, Biotechnology, and Agrochemistry (2000)

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/J.K./	AR	5	Abstract of Hu, R., <i>et al.</i> , "An insight into the mechanism of cytotoxicity of ricin to hepatoma cell: roles of Bcl-2 family proteins, caspases, Ca(2+)-dependent proteases and protein kinase C," <i>J. Cell. Biochem.</i> 81:583-593, Liss (March-April 2001)
/J.K./	AS	5	Abstract of Kerro Dego, O., <i>et al.</i> , "Factors involved in the early pathogenesis of bovine Staphylococcus aureus mastitis with emphasis on bacterial adhesion and invasion. A review," <i>Vet. Q</i> 24:181-198, Euroscience (December 2002)
/J.K./	AT	5	Abstract of Komatsu, N., <i>et al.</i> , "Involvement of both caspase-like proteases and serine proteases in apoptotic cell death induced by ricin, modeccin, diphtheria toxin, and pseudomonas toxin," <i>J. Biochem (Tokyo)</i> 124:1038-1044, Oxford University Press for Japanese Biochemical Society (1998)

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/J.K./	AR	10	Abstract of Qa'Dan, M., <i>et al.</i> , "Clostridium difficile toxin B activates dual caspase-dependent and caspase-independent apoptosis in intoxicated cells," <i>Cell. Microbiol.</i> 4:425-434, Blackwell Science (July 2002)
/J.K./	AS	10	Abstract of Rohrbach, S., <i>et al.</i> , "Botulinum toxin type A induces apoptosis in nasal glands of guinea pigs," <i>Ann. Otol. Rhinol. Laryngol.</i> 110:1045-1150, Annals Publishing Co (November 2001)
/J.K./	AT	10	Abstract of Sun, X.M., <i>et al.</i> , "Effects of sterigmatocystin, deoxynivalenol and aflatoxin G1 on apoptosis of human peripheral blood lymphocytes in vitro," <i>Biomed. Environ. Sci.</i> 15:145-152, Academic Press (June 2002)

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/J.K./	AR	2	Abstract of Popov, S.G., <i>et al.</i> , "Effect of Bacillus anthracis lethal toxin on human peripheral blood mononuclear cells," <i>FEBS Lett.</i> 527:211-215, Elsevier Science B.V. (September 2002)
/J.K./	AS	2	Abstract of Popov, S.G., <i>et al.</i> , "Lethal toxin of Bacillus anthracis causes apoptosis of macrophages," <i>Biochem. Biophys. Res. Commun.</i> 293:349-355, Academic Press (April 2002)
/J.K./	AT	2	Abstract of Pozzi, C.R., <i>et al.</i> , "Effects of prolonged oral administration of fumonisin B1 and aflatoxin B1 in rats," <i>Mycopathologia</i> 151:21-27, Kluwer Academic (2001)

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/J.K./	AR	§	Abstract of Park, J.M., <i>et al.</i> , "Macrophage apoptosis by anthrax lethal factor through p38 MAP kinase inhibition," <i>Science</i> 297:2048-2051, American Association for the Advancement of Science (September 2002)
/J.K./	AS	§	Abstract of Pette, M., <i>et al.</i> , "Mafosfamide induces DNA fragmentation and apoptosis in human T-lymphocytes. A possible mechanism of its immunosuppressive action," <i>Immunopharmacology</i> 30:59-69, Elsevier/North-Holland (1995)
/J.K./	AT	§	Abstract of Pitman, R.S., <i>et al.</i> , "Receptor mediated apoptosis of CD8+T cells by the B subunits of cholera-like enterotoxins," <i>Biochem. Soc. Trans.</i> 26:S338, Portland Press On The Behalf Of The Biochemical Society (1998)

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/J.K./	AR	1	Abstract of Meli, D.N., <i>et al.</i> , "Current concepts in the pathogenesis of meningitis caused by Streptococcus pneumoniae," <i>Curr. Opin. Infect. Dis.</i> 15:253-257, Lippincott Williams & Wilkins (June 2002)
/J.K./	AS	1	Abstract of Mempel, M., <i>et al.</i> , "Invasion of human keratinocytes by Staphylococcus aureus and intracellular bacterial persistence represent haemolysin-independent virulence mechanisms that are followed by features of necrotic and apoptotic keratinocyte cell death," <i>Br. J. Dermatol.</i> 146:943-951, Blackwell Scientific Publications (June 2002)
/J.K./	AT	1	Abstract of Nakagawa, I., <i>et al.</i> , "Cytochrome c-mediated caspase-9 activation triggers apoptosis in Streptococcus pyogenes-infected epithelial cells," <i>Cell. Microbiol.</i> 3:395-405, Blackwell Science (June 2001)

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/J.K./	AR	6	Abstract of Li, L., <i>et al.</i> , "Oxidative stress and cyclooxygenase-2 induction mediate cyanide-induced apoptosis of cortical cells," <i>Toxicol. Appl. Pharmacol.</i> 185:55-63, Academic Press (November 2002)
/J.K./	AS	6	Abstract of Lin, C.G., <i>et al.</i> , "Cytotoxic effects of anthrax lethal toxin on macrophage-like cell line J774A.1," <i>Curr. Microbiol.</i> 33:224-227, Springer International (1996)
/J.K./	AT	6	Abstract of Meki, A.R., <i>et al.</i> , "Aflatoxin B1 induces apoptosis in rat liver: protective effect of melatonin," <i>Neuro. Endocrinol. Lett.</i> 22:417-426, Society of Integrated Sciences (December 2001)

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/J.K./	AR	11	Abstract of Weeks, S., <i>et al.</i> , "Anti-V antigen antibody protects macrophages from Yersinia pestis-induced cell death and promotes phagocytosis," <i>Microb. Pathog.</i> 32:227-237, Academic Press (May 2002)
/J.K./	AS	11	Cai, Y., <i>et al.</i> , "Effect of O <sup>6</sup> -Benzylguanine on Nitrogen Mustard-induced Toxicity, Apoptosis, and Mutagenicity in Chinese Hamster Ovary Cells," <i>Mol. Cancer Ther.</i> 1:21-28, American Association for Cancer Research, Inc. (November 2001)
/J.K./	AT	11	Cornelis, G.R., "Molecular and cell biology aspects of plague," <i>Proc. Natl. Acad. Sci. USA</i> 97:8778-8783, National Academy of Sciences (2000)

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/J.K./	AR	12	Hippenstiel, S., <i>et al.</i> , "Rho protein inactivation induced apoptosis of cultured human endothelial cells," <i>Am. J. Physiol. Lung Cell Mol. Physiol.</i> 283:L830-L838, American Physiological Society (June 2002)
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/J.K./	AT	12	Koo, H.M., <i>et al.</i> , "Apoptosis and melanogenesis in human melanoma cells induced by anthrax lethal factor inactivation of mitogen-activated protein kinase kinase," <i>Proc. Natl. Acad. Sci. USA</i> 99:3052-3057, National Academy of Sciences (March 2002)

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	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
							No
	AM						Yes
							No
	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/J.K./	AR	13	Mills, S.D., <i>et al.</i> , "Yersinia enterocolitica induces apoptosis in macrophages by a process requiring functional type III secretion and translocation mechanisms and involving YopP, presumably acting as an effector protein," <i>Proc. Natl. Acad. Sci. USA</i> 94:12638-12643, National Academy of Sciences (1997)
/J.K./	AS	13	Paris, F., <i>et al.</i> , "Endothelial Apoptosis as the Primary Lesion Initiating Intestinal Radiation Damage in Mice," <i>Science</i> 293:293-297, American Association for the Advancement of Science (July 2001)
/J.K./	AT	13	Prabhakaran, K., <i>et al.</i> , "Cyanide Induces Different Modes of Death in Cortical and Mesencephalon Cells," <i>J. Pharmacol. Exp. Ther.</i> 303:510-519, American Society for Pharmacology and Experimental Therapeutics (November 2002)

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/Joseph Kudla/DATE CONSIDERED  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FORM PTO-1449

**INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.  
1735.0760002/RWE/RASAPPLICATION NO.  
10/510,104 (U.S. Nat'l Phase of  
PCT/US03/10645, filed April 7, 2003)APPLICANT(S)  
Cai *et al.*35 U.S.C. §3 71 DATE  
October 5, 2004ART UNIT  
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	AL						Yes
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	AM						Yes
							No
	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

/J.K./	AR	14	Sheikh, M.S., <i>et al.</i> , "Ultraviolet-irradiation-induced apoptosis is mediated via ligand independent activation of tumor necrosis factor receptor 1," <i>Oncogene</i> 17:2555-2563, Nature Publishing Group (1998)
	AS	14	<del>International Search Report for International Application No. PCT/US03/10645, United States Patent and Trademark Office, mailed on January 14, 2004</del>
	AT		

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